



2821  
#1

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

KIRKPATRICK, Douglas A., et al.

Serial No.: 09/975,552

Group: 2821

Filed: October 12, 2001

Examiner: (to be assigned)

For: HIGH FREQUENCY INDUCTIVE LAMP AND POWER  
OSCILLATOR

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.56**

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JUN 19 2002  
TC 2800 MAIL ROOM

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith on a modified Form PTO-1449 is a listing of documents known to applicants. The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie prior art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

This submission is being made in accordance with 37 C.F.R. § 1.97(b)(3), before the mailing date of a first office action. Accordingly, no fee is required.

## **RELEVANCE OF THE LISTED DOCUMENTS**

The listed documents were cited as being relevant during prosecution of the parent U.S. Application, counterpart foreign applications, or are otherwise of record in the parent U.S. Application or its related applications.

In accordance with 37 C.F.R. § 1.98(d), no copies of the listed documents are provided herewith because they were previously submitted in the prior application, Serial No. 09/434,310.

Applicant respectfully requests that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of the modified Form PTO-1449 be returned in accordance with M.P.E.P. § 609.

Respectfully submitted,

June 14, 2002  
Date

  
\_\_\_\_\_  
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CUSTOMER NO. **21249**





U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket:  
306.07

Appln. No.:  
09/975,552

**Modified Form PTO-1449**  
**Information Disclosure Statement**

Sheet 1 of 7

Date: June 14, 2002

Applicant:  
KIRKPATRICK, Douglas A. et al.

Filing Date:  
October 12, 2001

Group:  
2821

**U.S. Patent Documents**

* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
	A1	843,534	02/05/07	Hewitt			
	B1	1,854,912	04/19/32	Spaeth			
	C1	Re 21,150	07/11/39	Lepel	176	122	
	D1	2,333,052	10/26/43	Smith	176	122	
	E1	3,860,854	01/14/75	Hollister	315	248	09/17/73
	F1	4,021,727	05/03/77	Fellows	324	20R	12/10/75
	G1	4,206,387	06/03/80	Kramer et al.	315	248	09/11/78
	H1	4,427,920	01/24/84	Proud et al.	315	248	10/01/81
	I1	4,705,987	11/10/87	Johnson	313	634	10/03/85
	J1	4,812,702	03/14/89	Anderson	313	153	12/28/87
	K1	4,864,194	09/05/89	Kobayashi et al.	315	248	05/04/88
	L1	4,894,590	01/16/90	Witting	315	248	08/01/88
	M1	4,894,591	01/16/90	Witting	315	248	09/06/88
	N1	4,908,492	03/13/90	Okamoto et al.	219	121.52	05/05/89

**Foreign Patent Documents**

		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes   No
	O1	8-148127	06/07/96	Japan	H01J	65/04	X
	P1	93/21655	10/28/93	WIPO	H01J	61/38	
	Q1	97/45858	12/04/97	WIPO	H01J	61/12	
	R1						
	S1						

**Other Citations**  
(including Author, Title, Date, Pertinent Pages, etc.)

	T1	Godyak, V.A. et al., "Electrical and light characteristics of RF-inductive fluorescent lamps", <i>J. of the Illuminating Engineering Society</i> , p 40-44(Winter 1994), presented at the 1993 IESNA Annual Conference.		
	U1	Piejak, R.B. et al., "A simple analysis of an inductive RF discharge", <i>Plasma Sources Sci. Technol.</i> 1:179-186 (1992).		
	V1	Thomson, J.J., "On the discharge of electricity through exhausted tubes without electrodes", <i>Phil. Mag. S.5.</i> , Vol. 32, No. 197, p. 321-464 (October 1891), The London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science.		

Examiner

Date Considered

\* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to Applicant.



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**Information Disclosure Statement**

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306.07	09/975,552
Applicant:	
KIRKPATRICK, Douglas A. et al.	
Filing Date:	Group:
October 12, 2001	2821

**U.S. Patent Documents**

* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
	A2	4,926,791	05/22/90	Hirose et al.	118	723	04/26/88
	B2	5,039,903	08/13/91	Farrall	313	160	03/14/90
	C2	5,070,277	12/03/91	Lapatovich	315	248	05/15/90
	D2	5,072,157	12/10/91	Greb et al.	315	248	09/01/89
	E2	5,259,436	11/09/93	Yun et al.	164	97	04/08/91
	F2	5,498,928	03/12/96	Lapatovich et al.	315	39	05/24/94
	G2	5,498,937	03/12/96	Körber et al.	315	248	02/09/94
	H2	5,570,502	11/05/96	Sawtell et al.	29	527.6	04/28/94
	I2	5,616,421	04/01/97	Sawtell et al.	428	614	05/18/95
	J2	4,010,400	03/01/77	Hollister	315	248	08/13/75
	K2	5,214,357	05/25/93	Dakin et al.	315	248	11/14/91
	L2	4,016,507	04/05/77	Havens	331	96	05/11/76
	M2	4,070,603	01/24/78	Regan et al.	315	248	07/14/76
	N2	4,127,797	11/28/78	Perper	315	209R	09/19/77

**Foreign Patent Documents**

		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes	No
	O2							
	P2							
	Q2							
	R2							
	S2							

**Other Citations**

(including Author, Title, Date, Pertinent Pages, etc.)

T2	Wharmby, D., "Review of electrodeless discharges for lighting", Thorn Lighting Limited Presentation (September 5, 1989).		
U2	Wharmby, D., "Electrodeless discharges for lighting", GE Lighting Europe Presentation (1994).		
V2	Wharmby, D.O., Ph.D., "Electrodeless lamps for lighting: A review", <i>IEEE Proceedings-A</i> , Vol. 140, No. 6 (November 1993).		

Examiner

Date Considered

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KIRKPATRICK, Douglas A. et al.

Filing Date: October 12, 2001      Group: 2821

**U.S. Patent Documents**

* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
	A3	4,245,178	01/13/81	Justice	315	248	02/21/79
	B3	4,380,744	04/19/83	Kantorowicz	331	107R	06/12/80
	C3	4,484,156	11/20/84	Khanna et al.	331	60	03/18/82
	D3	4,547,750	10/15/85	Torizuka et al.	331	99	01/18/83
	E3	4,613,796	09/23/86	Bay	315	219	08/13/84
	F3	Re. 32,527	10/20/87	Shinkawa et al.	331	99	03/06/86
	G3	4,736,454	04/05/88	Hirsch	455	129	09/15/83
	H3	4,775,845	10/04/88	McCoy	331	96	04/24/87
	I3	4,906,946	03/06/90	Mekata et al.	331	99	09/23/88
	J3	4,949,053	08/14/90	Havens	331	96	09/01/89
	K3	4,982,168	01/01/91	Sigmon et al.	331	107SL	11/01/89
	L3	5,107,229	04/21/92	Cheesman	331	185	11/26/90
	M3	5,118,997	06/02/92	El-Hamamsy	315	248	08/16/91
	N3	5,159,346	10/27/92	Bosch et al.	342	175	06/10/91

**Foreign Patent Documents**

		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes   No
	O 3						
	P 3						
	Q 3						
	R 3						
	S 3						

**Other Citations**  
(including Author, Title, Date, Pertinent Pages, etc.)

T 3	Hagen, Jon B., "Radio-Frequency Electronics: Circuits and Applications", pp. 115-123, Cambridge University Press (1996)		
U 3	Kipling, Kent et al., "Low Wattage, Solid State Electrodeless Lamp Having High Brightness", <i>Journal of Technical Disclosure</i> , (October 1, 1998)	X	
V 3	"Low Wattage Solid State Electrodeless Lamp Having High Brightness", <i>Research Disclosure</i> , pp. 1341-1344 (October 1998)		

Examiner	Date Considered
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Filing Date: October 12, 2001      Group: 2821

**U.S. Patent Documents**

* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
	A4	5,289,139	02/22/94	Fiedziuszko et al.	331	56	11/13/92
	B4	5,339,047	08/16/94	Mizan et al.	330	286	02/18/93
	C4	5,387,850	02/07/95	Bray et al.	315	248	06/05/92
	D4	5,397,966	03/14/95	Vrionis et al.	315	248	05/20/92
	E4	5,448,137	09/05/95	Bobel	315	244	10/11/94
	F4	5,483,206	01/09/96	Lohninger	331	107SL	11/24/93
	G4	5,541,482	07/30/96	Siao	315	248	05/19/93
	H4	5,587,629	12/24/96	Gornstein	315	200R	08/28/95
	I4						
	J4						
	K4						
	L4						
	M4						
	N4						

**Foreign Patent Documents**

		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes	No
	O 4							
	P 4							
	Q 4							
	R 4							
	S 4							

**Other Citations**

(including Author, Title, Date, Pertinent Pages, etc.)

T 4	Martín, Jose L.J. and González, Francisco J.O., "Accurate Linear Oscillator Analysis and Design", <i>Microwave Journal</i> , pp. 22, 24, 26, 28, 30-32, 37 (entire article) (June 1996)		
U 4	Raab, Frederick, "Class-F Power Amplifiers With Maximally Flat Waveforms", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 45(11):2007-2012 (November 1997)		
V 4			

Examiner

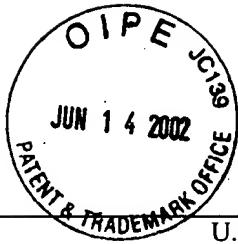
Date Considered

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S. Department of Commerce Patent and Trademark Office					Atty. Docket:	Appln. No.: 306.07 09/975,552	
<b>Modified Form PTO-1449</b> <b>Information Disclosure Statement</b>					Applicant:	KIRKPATRICK, Douglas A. et al.	
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<b>U.S. Patent Documents</b>							
* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
	A5	3,943,404	03/09/76	McNeil et al.	315	39	04/21/75
	B5	4,783,615	11/08/88	Dakin	315	248	06/26/85
	C5	5,367,226	11/22/94	Ukegawa et al.	315	248	02/01/94
	D5	5,404,076	04/04/95	Dolan et al.	313	572	01/03/93
	E5	5,637,961	06/10/97	Ishii et al.	315	111.51	08/21/95
	F5	5,661,365	08/26/97	Turner	313	637	10/17/94
	G5	5,682,080	10/28/97	Dolan et al.	313	570	10/30/96
	H5	4,922,210	05/01/90	Flachenecker et al.	331	167	07/18/89
	I5	4,007,392	02/08/77	Valfells et al.	313	154	04/16/74
	J5	5,621,266	04/15/97	Popov et al.	313	46	10/03/95
	K5	5,841,243	11/24/98	Hooper	315	248	5/23/97
	L5	5,841,244	11/24/98	Hamilton et al.	315	248	6/18/97
	M5	5,852,339	12/22/98	Hamilton et al.	313	11	6/18/97
	N5	5,886,478	5/23/99	Smith et al.	315	248	11/13/97
<b>Foreign Patent Documents</b>							
		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes   No
	O5	0457242	11/21/91	EP	H05B	41/24	
	P5	38 42 756	06/21/90	DE	H01J	27/16	X
	Q5	0357453	03/07/90	EP	H01J	65/04	
	R5	0309270	03/29/89	EP	H03B	5/18	
	S5	2170668	08/06/86	GB	H03B	5/36	
<b>Other Citations</b> (including Author, Title, Date, Pertinent Pages, etc.)							
T5	International Search Report in PCT Application No. PCT/US99/00047						
U5							
V5							
Examiner				Date Considered			

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U.S. Department of Commerce  
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**U.S. Patent Documents**

* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
	A6	5,886,479	5/23/99	Kennedy et al.	315	248	11/13/97
	B6	5,962,986	10/5/99	Morse	315	248	5/19/97
	C6	5,990,632	11/23/99	Smith et al.	315	248	11/13/97
	D6						
	E6						
	F6						
	G6						
	H6						
	I6						
	J6						
	K6						
	L6						
	M6						
	N6						

**Foreign Patent Documents**

		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes	No
	O6	0458546	11/27/91	EP	H05B	41/38		
	P6							
	Q6							
	R6							
	S6							

**Other Citations**  
(including Author, Title, Date, Pertinent Pages, etc.)

T6			
U6			
V6			

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Filing Date: October 12, 2001      Group: 2821

**U.S. Patent Documents**

* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
	A7	5,084,801	01/28/92	El-Hamamsy <i>et al.</i>	361	277	02/19/91
	B7	5,500,574	03/19/96	Popov <i>et al.</i>	315	248	09/28/94
	C7	5,834,895	11/10/98	Dolan <i>et al.</i>	313	570	12/05/94
	D7	5,834,904	11/10/98	Waymouth	315	248	09/26/95
	E7	6,017,221	01/25/00	Flamm	437	225	05/30/97
	F7	5,688,357	11/18/97	Hanawa	156	345	02/15/95
	G7	5,982,099	11/09/99	Barnes <i>et al.</i>	315	111.21	03/29/96
	H7	5,929,717	07/27/99	Richardson <i>et al.</i>	333	17.3	01/09/98
	I7	5,519,285	05/21/96	Ukegawa <i>et al.</i>	313	594	12/13/93
	J7	5,306,987	04/26/94	Dakin <i>et al.</i>	315	248	03/11/93
	K7	6,080,149	06/27/00	Huang <i>et al.</i>	606	32	01/09/98
	L7	5,424,694	06/13/95	Maloratsky <i>et al.</i>	333	112	06/30/94
	M7	5,446,350	08/29/95	El-Hamamsy <i>et al.</i>	315	248	04/18/94
	N7	5,359,264	10/25/94	Butler <i>et al.</i>	315	248	12/18/92

**Foreign Patent Documents**

		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes	No
	O7							
	P7							
	Q7							
	R7							
	S7							
	T7							
	U7							
	V7							
	W7							

**Other Citations**

(including Author, Title, Date, Pertinent Pages, etc.)

X7	Maloratsky, "Couplers Shrink HF/VHF/UHF Designs", Microwaves & RF, pp 93-96 (June 2000)		
Y7			

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